

Versio 4.2	n Revision Date: 06.04.2024		S Number: 892-00021	Date of last issue: 30.09.2023 Date of first issue: 06.01.2016
	ION 1: IDENTIFICATION roduct name	:	Ceftolozane / 1	Fazobactam Injection Formulation
	lanufacturer or supplier	's detai	ls MSD	
U	ompany	•	MSD	
A	ddress	:	•	vel 1/26 Talavera Rd k NSW, Australia 2113
Т	elephone	:	1 800 033 461	
E	mergency telephone num	ber :	Poisons Inform	nation Centre: Phone 13 11 26
E	-mail address	:	EHSDATASTE	WARD@msd.com
R	ecommended use of the ecommended use estrictions on use		ical and restric Pharmaceutica Not applicable	

### SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Respiratory sensitisation	:	Category 1
Specific target organ toxicity - repeated exposure	:	Category 2 (Kidney, Liver)
GHS label elements Hazard pictograms	:	
Signal word		Danger
Hazard statements	:	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H373 May cause damage to organs (Kidney, Liver) through prolonged or repeated exposure.
Precautionary statements	:	<b>Prevention:</b> P260 Do not breathe dust. P284 Wear respiratory protection. <b>Response:</b>



Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
4.2	06.04.2024	438892-00021	Date of first issue: 06.01.2016

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.

#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

#### Other hazards which do not result in classification

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, handling or other means.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

••mpenente		
Chemical name	CAS-No.	Concentration (% w/w)
Ceftolozane	689293-68-3	>= 30 -< 60
Tazobactam	89786-04-9	>= 10 -< 30

### **SECTION 4. FIRST AID MEASURES**

General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately.
		When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air.
		If not breathing, give artificial respiration.
		If breathing is difficult, give oxygen.
		Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water.
		Get medical attention if symptoms occur.
In case of eye contact	:	If in eyes, rinse well with water.
		Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting.
		Get medical attention if symptoms occur.
		Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and	:	May cause allergy or asthma symptoms or breathing difficul- ties if inhaled.
delayed		May cause damage to organs through prolonged or repeated exposure.
		Excessive exposure may aggravate preexisting asthma and
		other respiratory disorders (e.g. emphysema, bronchitis, reac-
		tive airways dysfunction syndrome). Contact with dust can cause mechanical irritation or drying of
		the skin.



Version 4.2	Revision Date: 06.04.2024	-	9S Number: 8892-00021	Date of last issue: 30.09.2023 Date of first issue: 06.01.2016
	ction of first-aiders to physician	:	First Aid responde and use the recor when the potentia	the eyes can lead to mechanical irritation. ers should pay attention to self-protection, nmended personal protective equipment I for exposure exists (see section 8). cally and supportively.
SECTION	5. FIREFIGHTING MEA	SU	RES	
Suital	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical	
Unsui media	table extinguishing	:	None known.	
	fic hazards during fire-	:	concentrations, a potential dust exp	dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a losion hazard. bustion products may be a hazard to health.
Hazaı ucts	dous combustion prod-	:	Carbon oxides Metal oxides Chlorine compour Nitrogen oxides (l	
Speci ods	fic extinguishing meth-	:	cumstances and to Use water spray to	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to c
for fire	al protective equipment efighters nem Code	:	In the event of fire	e, wear self-contained breathing apparatus. tective equipment.

Personal precautions, protec- : tive equipment and emer- gency procedures	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
Environmental precautions :	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for : containment and cleaning up	Surround spill with absorbents and place a damp covering over the area to minimise entry of the material into the air. Add excess liquid to allow the material to enter into solution. Soak up with inert absorbent material.



Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
4.2	06.04.2024	438892-00021	Date of first issue: 06.01.2016
		with compresse Dust deposits s es, as these ma leased into the Clean up rema bent. Local or nation posal of this ma employed in the mine which reg Sections 13 an	I of dust in the air (i.e., clearing dust surfaces ed air). should not be allowed to accumulate on surfac- ay form an explosive mixture if they are re- atmosphere in sufficient concentration. ining materials from spill with suitable absor- al regulations may apply to releases and dis- aterial, as well as those materials and items e cleanup of releases. You will need to deter- julations are applicable. d 15 of this SDS provide information regarding national requirements.

### SECTION 7. HANDLING AND STORAGE

Technical measures	<ul> <li>Static electricity may accumulate and ignite suspended dust causing an explosion.</li> <li>Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.</li> </ul>
Local/Total ventilation Advice on safe handling	<ul> <li>Use only with adequate ventilation.</li> <li>Do not breathe dust. Do not swallow. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Keep container tightly closed. Already sensitised individuals, and those susceptible to asthma, allergies, chronic or recurrent respiratory disease, should consult their physician regarding working with respiratory irritants or sensitisers. Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment.</li> </ul>
Hygiene measures	<ul> <li>If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.</li> <li>When using do not eat, drink or smoke.</li> <li>Wash contaminated clothing before re-use.</li> <li>The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.</li> </ul>
Conditions for safe storage	: Keep in properly labelled containers.



Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
4.2	06.04.2024	438892-00021	Date of first issue: 06.01.2016

Materials to avoid	<ul><li>Keep tightly closed.</li><li>Store in accordance with the particular national regulations.</li><li>Do not store with the following product types:</li></ul>
	Strong oxidizing agents

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Ceftolozane	689293-68-3	TWA	1000 µg/m3 (OEB 1)	Internal
	Further information	Further information: DSEN, RSEN		
	Wipe limit 100 µg/100 cm <sup>2</sup> Interna			
Tazobactam	89786-04-9	TWA	250 μg/m3 (OEB 2)	Internal
	Further information: RSEN			
		Wipe limit	100 µg/100 cm2	Internal

Engineering measures	:	Use feasible engineering controls to minimize exposure to compound. All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.	
Personal protective equipm	ent		
Respiratory protection	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.	
Filter type	:	Particulates type	
Hand protection Material	:	Chemical-resistant gloves	
Eye protection	:	Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.	
Skin and body protection	:	Work uniform or laboratory coat.	

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Colour	:	No data available
Odour	:	No data available



Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
4.2	06.04.2024	438892-00021	Date of first issue: 06.01.2016

Odour Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	No data available
Solubility(ies) Water solubility	:	No data available
Partition coefficient: n- octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Molecular weight	:	No data available



ersion 2	Revision Date: 06.04.2024		S Number: 8892-00021	Date of last issue: 30.09.2023 Date of first issue: 06.01.2016	
	cle characteristics cle size	:	No data availab	le	
ECTION	10. STABILITY AND RE	EAC	ΤΙνΙΤΥ		
	tivity nical stability ibility of hazardous reac-	:	Stable under no May form explo dling or other m	s a reactivity hazard. ormal conditions. sive dust-air mixture during processing, han- eans. strong oxidizing agents.	
Incon Haza	Conditions to avoid Incompatible materials Hazardous decomposition products		<ul> <li>Heat, flames and sparks.</li> <li>Avoid dust formation.</li> <li>Oxidizing agents</li> <li>No hazardous decomposition products are known.</li> </ul>		
ECTION	11. TOXICOLOGICAL I	NFO	ORMATION		
Ехро	sure routes	:	Inhalation Skin contact Ingestion Eye contact		
	<b>e toxicity</b> lassified based on availa	ble	information.		
Com	ponents:				
Acute	<b>blozane:</b> e toxicity (other routes of nistration)	:	LD50 (Rat): > 2, Application Rout		
			LD50 (Mouse): > Application Rout		
			LD50 (Dog): > 2 Application Rout		
Tazo	bactam:				
	e oral toxicity	:	LD50 (Rat): > 5,	000 mg/kg	
			LD50 (Mouse): >	> 5,000 mg/kg	
	e toxicity (other routes of nistration)	:	LD50 (Rat): > 5, Application Rout		
			LD50 (Mouse): >	> 5,000 mg/kg	



Version	Revision Date:	SDS Number:	Date of last is
4.2	06.04.2024	438892-00021	Date of first is

Date of last issue: 30.09.2023 Date of first issue: 06.01.2016

Application Route: Intravenous

LD50 (Dog): > 5,000 mg/kg Application Route: Intravenous

### Skin corrosion/irritation

Not classified based on available information.

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### **Respiratory sensitisation**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### **Components:**

#### Ceftolozane:

Test Type	:	Maximisation Test
Species	:	Guinea pig
Result	:	Sensitiser

#### Tazobactam:

Result : Sensitiser

#### **Chronic toxicity**

#### Germ cell mutagenicity

Not classified based on available information.

Components:

#### Ceftolozane:

Genotoxicity in vitro :	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
	Test Type: Chromosome aberration test in vitro Result: negative
	Test Type: In vitro mammalian cell gene mutation test Result: positive
	Test Type: In vitro mammalian cell gene mutation test Result: negative
Genotoxicity in vivo :	Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)



ersion 2	Revision Date: 06.04.2024	SDS Number: 438892-00021	Date of last issue: 30.09.2023 Date of first issue: 06.01.2016	
		Species: Mo Result: nega		
Tazol	bactam:			
Geno	toxicity in vitro	: Test Type: B Result: nega	acterial reverse mutation assay (AMES) tive	
			n vitro mammalian cell gene mutation test mouse lymphoma cells ve	
			hromosome aberration test in vitro Chinese hamster fibroblasts tive	
Geno	toxicity in vivo	<ul> <li>Test Type: Mammalian erythrocyte micronucleus test (in viv cytogenetic assay)</li> <li>Species: Mouse</li> <li>Application Route: Intraperitoneal injection</li> <li>Result: negative</li> </ul>		
	nogenicity assified based on ava	lable information.		
-	oductive toxicity assified based on avai	lable information.		
Comp	oonents:			
	lozane:	<b>_</b> . <b>_</b> _		
Effect	s on fertility	Species: Rat Application F Fertility: NOA	ertility/early embryonic development Route: Intravenous injection AEL: 1,000 mg/kg body weight ifects on fertility	
Effect ment	s on foetal develop-	Species: More Application F	mbryo-foetal development use Route: Intravenous injection tal Toxicity: NOAEL: 2,000 mg/kg body weight	
		9/*	16	



rsion	Revision Date: 06.04.2024	SDS Number: 438892-00021	Date of last issue: 30.09.2023 Date of first issue: 06.01.2016
		Remarks: No s	significant adverse effects were reported
		Test Type: Em Species: Rat	bryo-foetal development
		Application Ro Developmenta	ute: Intravenous injection I Toxicity: NOAEL: 1,000 mg/kg body weight significant adverse effects were reported
Tazok	bactam:		
Effect	s on fertility	: Test Type: Fer Species: Rat	tility/early embryonic development
			ute: Intraperitoneal injection :L: 640 mg/kg body weight
Effect ment	s on foetal develop-	: Test Type: Em Species: Rat	bryo-foetal development
ment		Application Ro Developmenta	ute: Intraperitoneal injection I Toxicity: NOAEL: 40 mg/kg body weight on early embryonic development
			bryo-foetal development
		Developmenta	ute: Intravenous injection I Toxicity: NOAEL: 3,000 mg/kg body weight ects on foetal development
	- single exposure assified based on ava	ilable information.	
	- repeated exposure		
	0 0	ns (Kidney, Liver) thro	ough prolonged or repeated exposure.
	oonents:		
	<b>lozane:</b> t Organs	: Kidney	
	ssment	-	mage to organs through prolonged or repeate
Tazok	pactam:		
-	t Organs ssment	: Liver : May cause dar exposure.	mage to organs through prolonged or repeate
	ated dose toxicity		
Repe			
-	oonents:		



Version 4.2	Revision Date: 06.04.2024	SDS Number: 438892-00021	Date of last issue: 30.09.2023 Date of first issue: 06.01.2016
Expo	EL ication Route osure time	: Rat : 1,000 mg/kg : Intravenous : 28 days	
	et Organs ptoms	: Kidney : No adverse ef	fects
		: Dog : 300 mg/kg : 28 days : Kidney	
	bbactam:	· Dot	
Expo		: Rat : 40 mg/kg : Intraperitonea : 6 Months : Liver	1
Expo	EL	: Dog : 40 mg/kg : 80 mg/kg : Intraperitonea : 6 Months : Liver	Ι
-	iration toxicity classified based on ava	ilable information.	
Expe	erience with human e	xposure	
Com	ponents:		
	<b>olozane:</b> stion		arrhoea, Fever, Headache, Nausea, Skin irrita- estinal discomfort
	bbactam: lation	: Remarks: Ma ing difficulties	y cause allergy or asthma symptoms or breath- if inhaled.
SECTION	12. ECOLOGICAL IN	FORMATION	
Ecot	toxicity		
Com	ponents:		
Ceft	olozane:		
Toxi plant	city to algae/aquatic ts	: EC50 (Anaba Exposure time	ena flos-aquae): 0.0401 mg/l e: 72 h



Versio 4.2	on	Revision Date: 06.04.2024		9S Number: 8892-00021	Date of last issue: 30.09.2023 Date of first issue: 06.01.2016
				Method: OECD Te	est Guideline 201
				NOEC (Anabaena Exposure time: 72 Method: OECD Te	
	Toxicity city)	to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 32 Method: OECD Te	
a		invertebrates (Chron-	:	NOEC (Daphnia n Exposure time: 21 Method: OECD Te	
T	Foxicity	to microorganisms	:	EC50: > 1,000 mg Exposure time: 3 H Test Type: Respire Method: OECD Te	ו ation inhibition
				NOEC: 560 mg/l Exposure time: 3 l Test Type: Respire Method: OECD Te	ation inhibition
1	Гаzoba	ctam:			
	Foxicity plants	to algae/aquatic	:	EC50 (Anabaena Exposure time: 72 Method: OECD Te	
				NOEC (Anabaena Exposure time: 72 Method: OECD Te	
	Toxicity city)	to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 32 Method: OECD Te	
a		invertebrates (Chron-	:	NOEC (Daphnia n Exposure time: 21 Method: OECD Te	
T	Foxicity	to microorganisms	:	EC50: > 1,000 mg Exposure time: 3 l Test Type: Respir Method: OECD Te	ו ation inhibition
				NOEC: 1,000 mg/ Exposure time: 3 H Test Type: Respir Method: OECD Te	ו ation inhibition



Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
4.2	06.04.2024	438892-00021	Date of first issue: 06.01.2016

Persistence and degradability					
Components:					
<b>Ceftolozane:</b> Biodegradability	:	Result: Not readily biodegradable. Method: OECD Test Guideline 301D			
Tazobactam:					
Biodegradability	:	Result: Not readily biodegradable. Method: OECD Test Guideline 301D			
Bioaccumulative potential					
Components:					
<b>Ceftolozane:</b> Partition coefficient: n- octanol/water	:	log Pow: -0.21			
Tazobactam:					
Partition coefficient: n- octanol/water	:	log Pow: -0.63			
Mobility in soil					
Components:					
Ceftolozane:					
Distribution among environ- mental compartments	:	log Koc: 3.3 Method: OECD Test Guideline 106			
Tazobactam:					
Distribution among environ- mental compartments	:	log Koc: 0.87			
Other adverse effects					

No data available

### SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	Do not dispose of waste into sewer. Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste han- dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.



Version	Revision Date
4.2	06.04.2024

e:

SDS Number: 438892-00021 Date of last issue: 30.09.2023 Date of first issue: 06.01.2016

### **SECTION 14. TRANSPORT INFORMATION**

#### **International Regulations**

<b>UNRTDG</b> UN number Proper shipping name Class	N.O.	IRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
Packing group Labels Environmentally hazardous	III 9 yes	
<b>IATA-DGR</b> UN/ID No. Proper shipping name		ronmentally hazardous substance, solid, n.o.s.
Class Packing group Labels Packing instruction (cargo aircraft)	9 III Misc 956	ftolozane, Tazobactam) ellaneous
Packing instruction (passen- ger aircraft) Environmentally hazardous	956 yes	
<b>IMDG-Code</b> UN number Proper shipping name	N.O.	IRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
Class Packing group Labels EmS Code Marine pollutant	9 III 9 F-A, yes	

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### **National Regulations**

ADG UN number : Proper shipping name :	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ceftolozane, Tazobactam)
Class :	9
Packing group :	III
Labels :	9
Hazchem Code :	2Z



Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
4.2	06.04.2024	438892-00021	Date of first issue: 06.01.2016

Environmentally hazardous : yes

#### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### SECTION 15. REGULATORY INFORMATION

Safety, health and environme ture	ent	al regulations/legislatio	n specific for the substance or mix-	
Therapeutic Goods (Poisons Standard) Instrument	:	Schedule 5 (Please use the original publication to check for specific uses, specific conditions or threshold limits that might apply for this chemical)		
Prohibition/Licensing Requirements		nts :	There is no applicable prohibition, authorisation and restricted use requirements, including for carcino- gens referred to in Schedule 10 of the model WHS Act and Regula- tions.	
The components of this product are reported in the following inventories:				
AICS	:	not determined		
DSL	:	not determined		

#### **SECTION 16: ANY OTHER RELEVANT INFORMATION**

:

Further information		
Revision Date Sources of key data used to compile the Safety Data Sheet	:	06.04.2024 Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/
Date format	:	dd.mm.yyyy

not determined

#### Full text of other abbreviations

**IECSC** 

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with



Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
4.2	06.04.2024	438892-00021	Date of first issue: 06.01.2016

x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration: NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

AU / EN